

INFORMATION CITED BY APPLICANTS THAT MAY BE MATERIAL TO THE  
PROSECUTION OF THE SUBJECT APPLICATION

Applicants: E. Martínez-Force et al. Attorney Docket No. ARNO119799

Filed: Concurrently Herewith

Title: HIGH OLEIC/HIGH STEARIC SUNFLOWER OILS

U.S. PATENT DOCUMENTS

*Examiner Initials	Cite No.	Document No.	Kind Code	Date (mm/dd/yyyy)	Name
KH	U1	4,627,192		12/09/1986	Fick
	U2	5,147,792		09/15/1992	Perchorowicz et al.
	U3	5,298,421		03/29/1994	Davies et al.
	U4	5,304,481		04/19/1994	Davies et al.
	U5	5,344,771		09/06/1994	Davies et al.
	U6	5,443,974		08/22/1995	Hitz et al.
	U7	5,558,871		09/24/1996	Griat et al.
	U8	5,795,969		08/18/1998	Fehr et al.
	U9	5,850,026		12/15/1998	DeBonte et al.
JK	U10	5,885,643		03/23/1999	Kodali et al.

FOREIGN PATENT DOCUMENTS

*Examiner Initials	Cite No.	Document No.	Kind Code	Publication Date (mm/dd/yyyy)	Country	English Abstract Provided	Translation Provided
KH	F1	0 561 569	A2	09/22/1993	Europe	—	—
	F2	DE 3831516	A1	03/22/1990	Germany	X	—
	F3	WO 89/03419	A1	04/20/1989	WIPO	—	—
	F4	WO 97/12047	A1	04/03/1997	WIPO	—	—
	F5	WO 91/16421	A1	10/31/1991	WIPO	—	—
JK	F6	WO 92/20236	A1	11/26/1992	WIPO	—	—

LAW OFFICES OF  
CHRISTENSEN O'CONNOR JOHNSON KINDNESS™  
1420 Fifth Avenue  
Suite 2800  
Seattle, Washington 98101  
206.682.8100

*Examiner Cite Initial	No.	Document No.	Kind Code	Publication Date (mm/dd/yyyy)	Country	English	
						Abstract Provided	Translation Provided
Kth	F7	WO 92/11373	A1	07/09/1992	WIPO	_____	_____
	F8	WO 96/06936	A1	03/07/1996	WIPO	_____	_____
	F9	WO 93/18158	A1	09/16/1993	WIPO	_____	_____
VJ	F10	WO 95/20313	A1	08/03/1995	WIPO	_____	_____

OTHER INFORMATION  
(Including Author, Title, Date, Pertinent Pages, Etc.)

*Examiner Cite Initial	No.	
Kth	O1	RUIZ-GUTIERREZ, V., et al., "Composition of Human VLDL Triacylglycerols After Ingestion of Olive Oil and High Oleic Sunflower Oil," <i>Journal of Nutrition</i> 128(3):570-576, 1998 (abstract only).
	O2	ALVAREZ-ORTEGA, R., et al., "Characterization of Polar and Nonpolar Seed Lipid Classes From Highly Saturated Fatty Acid Sunflower Mutants," <i>Lipids</i> 32(8):833-837, 1997 (abstract only).
	O3	WEN-HSIUNG, L., and Y.-C. CHI, "Interesterification of Vegetable Oils Using an Immobilized Sn-1, 3-Specific Lipase Adsorbed on Solid Carriers," <i>Journal of Chinese Agricultural Chemical Society</i> 35(4):355-364, 1997 (abstract only).
	O4	MARQUEZ-RUIZ, G., et al., "Thermoxidative Stability of Triacylglycerols From Mutant Sunflower Seeds," <i>Journal of the American Oil Chemists' Society</i> 76(10):1169-1174, 1999 (abstract only).
	O5	MARTÍNEZ-FORCE, E., and R. GARCÉS, "New Oilseed Varieties With Modified Fatty Acid Composition in the Oil," <i>Trends in Agronomy</i> 2:13-21, 1999.
	O6	OSORIO, J., et al., "Mutant Sunflowers With High Concentration of Saturated Fatty Acids in the Oil," <i>Crop Science</i> 35(3):739-742, 1995.
	O7	GARCÉS, R., and M. MANCHA, "One-Step Lipid Extraction and Fatty Acid Methyl Esters Preparation From Fresh Plant Tissues," <i>Analytical Biochemistry</i> 211:139-143, 1993.
VJ	O8	ROCK, C.O., et al., "Preparative Enzymatic Syntheses of Acyl-Acyl Carrier Protein," <i>Methods in Enzymology</i> 72:397-403, 1981.

LAW OFFICES OF  
CHRISTENSEN OCONNOR JOHNSON KINDNESS<sup>LLC</sup>  
1420 Fifth Avenue  
Suite 2800  
Seattle, Washington 98101  
206.682.8100

- KAT
- O9 FACCIOTTI, M.T., et al., "Improved Stearate Phenotype in Transgenic Canola Expressing a Modified Acyl-Acyl Carrier Protein Thioesterase," *Nature Biotechnology* 17:593-597, 1999.
  - O10 ALVAREZ-ORTEGA, R., et al., "Characterization of Polar and Nonpolar Seed Lipid Classes From Highly Saturated Fatty Acid Sunflower Mutants," *Lipids* 32(8):833-837, 1997.
  - O11 GARCÉS, R., et al., "Sunflower Mutants With Increased Levels of Palmitic and Stearic Acids in the Oil," *Proceedings of the 14th International Sunflower Conference*, Beijing-Shenyang, P.R. China, June 12-20, 1996, pp. 612-615.
  - O12 ALVAREZ-ORTEGA, R., et al., "Fatty Acid Composition of Different Tissues During High Stearic or High Palmitic Sunflower Mutants Germination," in J.P. Williams et al. (eds.), *Physiology, Biochemistry and Molecular Biology of Plant Lipids*, Kluwer Academic Publishers, Dordrecht, The Netherlands, 1997, pp. 322-324.
  - O13 CANTISÁN, S., et al., "Maturation Changes and Temperature Effect on Fatty Acid Composition in Developing High Saturated Sunflower (*Helianthus annuus*) Seeds," *Advances in Plant Lipids Research, Proceedings of the 13<sup>th</sup> International Symposium on Plant Lipids*, Sevilla, Spain, July 1998, pp. 125-130.
  - O14 MARTÍNEZ-FORCE, J.M., et al., "Inheritance of High Stearic Acid Content in the Seed Oil of Sunflower," *Advances in Plant Lipids Research, Proceedings of the 13<sup>th</sup> International Symposium on Plant Lipids*, Sevilla, Spain, July 1998, pp. 134-136.
  - O15 MARTÍNEZ-FORCE, E., et al., "Fatty Acid Composition in Developing High Saturated Sunflower (*Helianthus annuus*) Seeds: Maturation Changes and Temperature," *Journal of Agricultural and Food Chemistry* 46(9):3577-3582, 1998.
  - O16 GARCÉS, R., et al., "Sunflower Mutants with Altered Fatty Acid Composition in the Seed Oil," in J.-C. Kader et al. (eds.), *Plant Lipid Metabolism*, Kluwer Academic Publishers, Dordrecht, The Netherlands, 1995, pp. 512-514.
  - O17 CANTISÁN, S., et al., "Lipid Characterization in Vegetative Tissues of High Saturated Fatty Acid Sunflower Mutants," *Journal of Agricultural and Food Chemistry* 47(1):78-82, 1999.
  - O18 HAWKINS, D.J., and J.C. KRIDL, "Characterization of Acyl-ACP Thioesterases of Mangosteen (*Garcinia mangostana*) Seed and High Levels of Stearate Production in Transgenic Canola," *Plant Journal* 13(6):743-752, 1998.
- JL

LAW OFFICES OF  
CHRISTENSEN O'CONNOR JOHNSON KINDNESS™  
1420 Fifth Avenue  
Suite 2800  
Seattle, Washington 98101  
206.682.8100

Examiner



Date Considered

3/04

\*Examiner: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicants.

DKS:cj

LAW OFFICES OF  
CHRISTENSEN O'CONNOR JOHNSON KINDNESS™  
1420 Fifth Avenue  
Suite 2800  
Seattle, Washington 98101  
206.682.8100